



I hereby certify that the enclosed correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on November 21, 2005.

TOWNSEND and TOWNSEND and CREW LLP

By: *James Watson*

DAE *[Signature]*
4

PATENT

Attorney Docket No. 15258-632
Client Ref. No. P.7316

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

HARALD REINACH, ET AL.

Application No. 10/820,249

Filed: April 5, 2004

For: MULTI-STAGE PUSHER
CENTRIFUGE

Customer No. 20350

Confirmation No. 7490

Examiner: Fred G. Prince

Technology Center/Art Unit: 1724

REAFFIRMATION
OF LARGE ENTITY STATUS,
AND CHARGE AUTHORIZATION

San Francisco, CA 94111
November 21, 2005

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants noted that they were charged a small entity filing fee.

Applicants advise that they are not entitled to small entity status and that this is a large entity application as is set forth on the Fee Transmittal sheet and the Utility Patent Applicant Transmittal with which this application was filed, and copies of which are attached hereto.

Applicants noted that the ADS sheet which accompanied this application as originally filed inadvertently identified the applicants as being entitled to small entity status, which is incorrect.

In view of the foregoing, attached hereto is a substitute ADS.

Adjustment date: 11/28/2005 SLUANG1
06/23/2004 AGOITON 00000022 201430 10820249
01 FC:2001 385.00 CR

11/28/2005 SLUANG1 00000011 201430 10820249

01 FC:1001 790.00 DA

Application No. 10/820,249
Reaffirmation of Large Entity Status,
and Charge Authorization

PATENT

In the event that applicants were only charged the small entity filing fee, which applicants cannot verify because they still have not received a filing receipt in spite of having requested one previously, applicants further authorize the Commissioner to charge the difference in the filing fee between the large entity filing fee of \$770 and the small entity filing fee in the amount of \$375, that is, \$375, as well as any additional fees that may be due, to the undersigned's Deposit Account No. 20-1430.

If the Examiner believes a telephone conference would be helpful, please telephone the undersigned at (415) 273-4730 (direct dial).

Respectfully submitted,



J. Georg Seka
Reg. No. 24,491

TOWNSEND and TOWNSEND and CREW LLP
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60641296 v1

FEE TRANSMITTAL **for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 810

Complete if Known

Application Number

Filing Date

First Named Inventor

REINACH, Harald

Examiner Name

Art Unit

Attorney Docket No.

015258-063200US

METHOD OF PAYMENT (check all that apply)
☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account:Deposit
Account
Number

20-1430

Deposit
Account
Name

Townsend and Townsend and Crew LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	770
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$770)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		Extra Claims		Fee from below		Fee Paid
15	-20** =	0	X\$18			\$0
1	-3** =	0	X\$86			\$0
Multiple Dependent			X			

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$0)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Description
1051	130	2051	65	Surcharge - late filing fee or oath
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet
1053	130	1053	130	Non-English specification
1812	2,520	1812	2,520	For filing a request for reexamination
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action
1251	110	2251	55	Extension for reply within first month
1252	420	2252	210	Extension for reply within second month
1253	950	2253	475	Extension for reply within third month
1254	1,480	2254	740	Extension for reply within fourth month
1255	2,010	2255	1,005	Extension for reply within fifth month
1401	330	2401	165	Notice of Appeal
1402	330	2402	165	Filing a brief in support of an appeal
1403	290	2403	145	Request for oral hearing
1451	1,510	1451	1,510	Petition to institute a public use proceeding
1452	110	2452	55	Petition to revive - unavoidable
1453	1,330	2453	665	Petition to revive - unintentional
1501	1,330	2501	665	Utility issue fee (or reissue)
1502	480	2502	240	Design issue fee
1503	640	2503	320	Plant issue fee
1460	130	1460	130	Petitions to the Commissioner
1807	50	1807	50	Petitions related to provisional applications
1806	180	1806	180	Submission of Information Disclosure Stmt
8021	40	8021	40	Recording each patent assignment per property (times number of properties)
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))
1801	770	2801	385	Request for Continued Examination (RCE)
1802	900	1802	900	Request for expedited examination of a design application

EV330858348US

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$40)

SUBMITTED BY**Complete (if applicable)**

Name (Print/Type)

J. Georg Seka

Registration No. (Attorney/Agent)

24,491

Telephone

415-576-0200

Signature

Date

April 5, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOV 25 2005

PTO/SB/05 (01-04)

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	015258-063200US
First Inventor	REINACH, Harald
Title	MULTI-STAGE PUSHER CENTRIFUGE
Express Mail Label No.	EV330858348US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification (Total Pages 39)
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table,
or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) (Total Sheets 13)
5. Oath or Declaration (Total Pages 1)
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

ADDRESS TOMail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ Paper number of pages
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☒ 37 CFR 3.73(b) Statement ☒ Power of
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure ☒ Copies of Non-
Statement (IDS)/PTO-1449 U.S. IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☒ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____
Prior application information: Examiner _____ Art Unit: _____

For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**☒ Customer Number**20350**OR ☐ Correspondence address below

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

J. Georg Seka

Registration No. (Attorney/Agent)

24,491

Signature

J. Georg Seka

Date

April 5, 2004